CONTENTS.

	AGE
Election of Office-Bearers,	1
Glissettes of an Ellipse and of a Hyperbola. By Professor Tait. (With a Plate),	2
Observations upon the Structure of a Genus of Oligochæta belonging to the Limicoline Section. By Frank E. Beddard, M.A.,	
F.R.S.E.,	5
On Self-conjugate Permutations. By Thomas Muir, M.A., LL.D., . On a Rapidly Converging Series for the Extraction of the Square	7.
Root. By Thomas Muir, M.A., LL.D.,	14
Note on Cayley's Demonstration of Pascal's Theorem. By Thomas	10
Muir, M.A., LL.D.,	18
On the Connections of the Inferior Olivary Body. By Alexander Bruce, M.A., M.D., F.R.C.P.Ed., F.R.S.E. (With Two Plates), .	23
Enzyme Action in Lower Organisms. By G. E. Cartwright Wood,	
M.D., B.Sc.,	27
A New Synthesis of Dibasic Carbon Acids. By Professor Crum	
Brown,	53
The Electrolysis of Potassium-Ethyl Malonate and of Potassium- Ethyl Succinate. By Professor Crum Brown and Dr James	
Walker,	54
The Action of Sodium Carbonate and Bromine on Solutions of	
Cobalt and Nickel Salts. By Dr John Gibson,	56
On Certain Substances found in the Urine, which reduce the Oxide of Copper upon Boiling in the presence of an Alkali. By	
Herbert H. Ashdown, M.D.,	58
The Volcanic Eruption at Bandaisan. By Prof. C. Michie Smith.	
(With a Plate),	65
On Evolution and Man's Place in Nature. By Prof. Calderwood, .	71
On Coral Reefs and other Carbonate of Lime Formations in Modern Seas. By John Murray, LL.D., Ph.D., and Robert Irvine,	
F.C.S.,	79
Note on Ripples in a Viscous Liquid. By Professor Tait, .	110
The Determination of Surface-Tension by the Measurement of Ripples. By Prof. C. Michie Smith,	115

	AGE
The Absorption Spectra of Certain Vegetable Colouring Matters. By Prof. C. Michie Smith. (With a Plate),	121
On a Mechanism for the Constitution of Ether. By Sir William Thomson,	127
On the Swimming Bladder and Flying Powers of Dactylopterus volitans. By W. L. Calderwood. Communicated by Professor	
Ewart. (With a Plate),	132
	139 142
On the Structure and Contraction of Striped Muscular Fibre of the Crab and Lobster. By Professor William Rutherford, M.D., F.R.S.,	146
Some Multinomial Theorems in Quaternions. By the Rev. M. M. U. Wilkinson. Communicated by Professor Tait,	149
On an Accidental Illustration of the Effective Ohmic Resistance to a Transient Electric Current through a Steel Bar. By Sir William Thomson	157
William Thomson,	197
By Dr Alex. Bruce. (With Two Plates),	168
Berry Haycraft, M.D., D.Sc.,	176
Muscular Contraction following Rapid Electrical Stimulation of Central Nervous System. By John Berry Haycraft, M.D., D.Sc.,	178
Synthesis of Sebacic Acid. By Prof. Crum Brown and Dr James Walker,	180
On the Relation of Optical Activity to the Character of the Radicals united to the Asymmetric Carbon Atom. By Prof. Crum Brown, .	181
On the Mean Level of the Surface of the Solid Earth. By Hugh	
Robert Mill, D.Sc.,	185
By David Maver. (With a Plate),	188
Graphic Records of Impact. By Professor Tait,	192
Places in Great Britain and on the Continent, with Remarks on the Relation between the Amount of Dust and Meteorological Phenomena. By John Aitken, F.R.S. (With Three Plates),	100
Larix Europæa as a Breeding-Place for Hylesinus piniperda. By	193
William Somerville, D.Œc., B.Sc.,	255
Griffiths, F.R.S. (Edin.), F.C.S. (Lond. & Paris), Member of the Physico-Chemical Society of St Petersburg, &c.,	257
On the Solution of the Three-Term Numerical Equation of the nth Degree. By the Hon. Lord M'Laren,	270
Dogree, by the front four in faith,	410

	AGE
On the Reflexion-Caustics of Symmetrical Curves. By the Hon. Lord M'Laren. (With Two Plates),	281
Synthesis by means of Electrolysis.—Part III. Synthesis of n-Dicarbodecahexanic Acid. By Prof. Crum Brown and Dr	
James Walker,	297
Synthesis by means of Electrolysis.—Part IV. Synthesis of Suberic and n-Dicarbododecanic Acids. By Prof. Crum Brown and Dr	
James Walker,	299
Preliminary Experiment on the Thermal Conductivity of Aluminium. By A. Crichton Mitchell, Esq., B.Sc.,	300
Note on Electrolytic Conduction. By Robert L. Mond, Esq., B.A., .	302
List of West Australian Birds, showing their Geographical Distribution throughout Australia, including Tasmania. By A. J. Campbell, Esq., F.L.S. Communicated by Rev. James MacGregor,	
D.D., F.R.S. Edin. (With a Map),	304
Pharmacology of Morphine and its Derivatives. By D. B. Dott, Esq., F.C.S., F.I.C., and Ralph Stockman, M.D., Research Scholar of the British Medical Association,	321
A New Method for Determining Phosphorus in Organic Phos-	021
phorus Compounds. By Prof. E. A. Letts and R. F. Blake, Esq.,	200
Queen's College, Belfast,	382
List of the Fossil Dipnoi and Ganoidei of Fife and the Lothians. By R. H. Traquair, M.D., F.R.S.,	385
The Interactions of Circular and Longitudinal Magnetisations. By Prof. C. G. Knott, D.Sc.,	401
	406
	411
	423
	421
	432

